

SAN JACINTO RIVER WASTE PITS SUPERFUND SITE



USEPA, REGION 6
July 2009



SITE MAP





SITE PROGRESS

- ENFORCEMENT
- REMEDIAL INVESTIGATION
- USACE WATER PERMITS
- DIOXIN TMDL WATERSHED STUDY



ENFORCEMENT

- 104E Information Requests: **COMPLETED**
- General Notice Letters: **COMPLETED**
- Special Notice Letters: **JULY 2009**
 - Two PRPS:
 - International Paper Company
 - McGinnis Industrial Maintenance Corp
- Negotiations Timeline: **Aug 2009–Sep 2010**



REMEDIAL INVESTIGATION

- Federal and State Natural Resource Trustees
 - NOAA, FWS, TCEQ, TPWD, GLO
- Coordination Partners
 - ATSDR/CDC
 - U.S. Army Corps of Engineers
 - Houston-Galveston Area Council
 - Harris County
 - Port of Houston Authority



INITIAL STUDY AREA





REMEDIAL INVESTIGATION

- Develop Site **Geodatabase**:
 - Central database of historic and future site-related environmental data
 - Serves as foundation for evaluation of site investigation and cleanup options
- Develop Site **Conceptual Site Model**:
 - Human health risk exposure pathways
 - Ecological health risk exposure pathways



FIELD VERIFICATION



- May 2009 field verification visit for dioxin fingerprint, risk pathway, site perimeter, and background sampling areas.

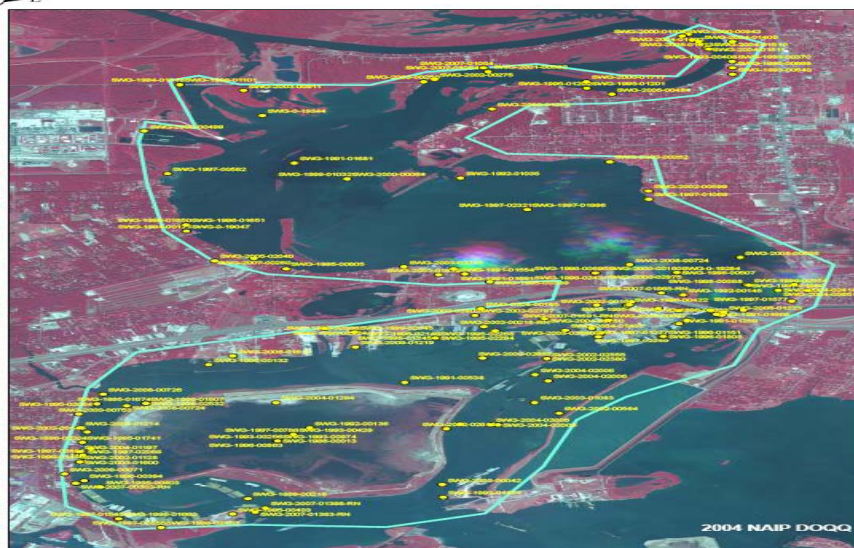


USACE WATER PERMITS

- USACE responsible for issuance of water permits in the Houston Ship Channel
- Permitted activities likely to impact study area data integrity (and future cleanup)
- EPA will **not** be able to pursue CERCLA liability on a PRP if a Federal agency issues a permit to them to do an activity and the permitted activity causes or exacerbates pollution releases.



USACE WATER PERMITS





USACE WATER PERMITS

- EPA/USACE coordination efforts:
 - Conditions for Pending and Future Permits
 - Conditions for Existing Permits
 - Standard Operating Procedures for areas where USACE permitted activities impact EPA Superfund site activities
- July 15, 2009 EPA/USACE meeting held to initiate solutions for above three categories.
Follow-up planned for August 20, 2009.



DIOXIN TMDL STUDY

- State of Texas lead
- TCEQ public participation coordinated with Houston-Galveston Area Council
- Public notice and TCEQ approval process anticipated in FY 2010
- EPA approval process anticipated in FY 2011



DIOXIN TMDL STUDY

- Draft report indicates:
 - **Legacy** contamination is responsible for majority of watershed dioxin contamination (ie- San Jacinto site for dioxins associated with industrial pulp bleaching activities)
 - Undiscovered or un-addressed **legacy** sources may exist as dioxins associated other industrial activities (ie- pesticides production, wood preserving) exists as well



Next Steps

- **Complete enforcement negotiations with PRPs**
- Implement RI field plans with PRPs
- Continue coordination with Federal, State, and Local partners
- Develop joint solutions for areas where USACE permitted activity and EPA Superfund site activities converge
- Integrate San Jacinto cleanup within the watershed management framework